

Appl. No. 10/706,323  
Amdt. Dated March 2, 2006  
Reply to Office Action of November 2, 2005

Attorney Docket No. 81863.0023  
Customer No.: 26021

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended) An ink jet recording head structure comprising:

an ink jet recording head comprising a flow passage member provided with a plurality of ink chambers and pressurizing mechanisms for pressurizing ink in respective ink chambers, and a nozzle plate having ink discharge holes communicating with said ink chambers; and

a support member comprising ceramics that has ink delivery holes communicating with the ink chambers of said flow passage member and supports said ink jet recording head,

wherein said ink delivery hole has the an elongated hole having the an inclined bottom surface that opens on the ink jet recording head side and deepens toward the center, and a small-diameter hole that communicates with said elongated hole, and

surface roughness of at least the inclined bottom surface of said ink delivery hole is from 0.4 to 1.0  $\mu\text{m}$  in terms of arithmetic mean roughness (Ra) and void ratio is in a range from 5 to 30%.

2. (Original) The ink jet recording head structure according to claim 1, wherein said inclined bottom surface is the surface as sintered.

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3. (Original) The ink jet recording head structure according to claim 1, wherein said inclined bottom surface is subjected to an annealing treatment.

4. (Original) An ink jet printer that employs the ink jet recording head structure according to claim 1.

5. (Original) An ink jet printer comprising the ink jet recording head structure according to claim 1, paper feeding means for supplying printing medium to the ink jet recording head structure, and paper discharging means for discharging the printing medium that has been printed by the ink jet recording head structure.

6-13. (Canceled).